

MAGNET VENT ASSEMBLY APPARATUS

Abstract

A magnet vent assembly for venting a cryogenic gas from a superconducting magnet of an MRI system. The assembly comprises: a first burst disc, the first burst disc comprising a first inlet and a first outlet; a second burst disc, the second burst disc comprising a second inlet coupled to the first inlet and a second outlet coupled to the first outlet; and wherein the magnet vent assembly is configured to switchably direct a flow path of cryogenic gas through either of the following: the first burst disc and the second burst disc. A service tool for a magnet vent assembly for venting a cryogenic gas from a superconducting magnet of an MRI system. The magnet vent assembly comprises a first burst disc. The service tool comprises: an inlet end, configured to be removeably attachable to an inlet flange of a magnet vent assembly; an outlet end, configured to be removeably attachable to an outlet flange of a magnet vent assembly; a second burst disc in operable communication with the inlet end and outlet end; and the service tool is configured to switchably direct a flow path of cryogenic gas through either of the following: the first burst disc and the second

burst disc.